

What is claimed is:

- 1 1. A mast support to support a multi-section mast comprising a mast support
2 having a plurality of connector brackets extending outwardly from the outer
3 surface thereof and a correspondingly plurality of support legs each pivotally
4 coupled to the upper portion of said corresponding connector bracket and
5 slidably coupled to the mid to lower portion of said corresponding connector
6 bracket to permit said support legs to be selectively moved between a stored
7 and deployed position and to advance successive mast sections through said
8 mast support from beneath or below said mast support.
- 1 2. The mast stand of Claim 1 wherein said mast support comprises a plurality of
2 substantially flat outer surfaces corresponding to a said plurality of connector
3 brackets having an elongated mast receiving channel to receive and support a
4 portion of the multi-section mast therein.
- 1 3. The mast stand of Claim 2 wherein each said connect bracket comprises a
2 pair of substantially parallel spaced apart bracket members extending
3 outwardly from a correspondingly substantially flat outer surface to
4 cooperatively form a leg receiving channel therebetween to selectively receive
5 a portion of a corresponding leg member therein when said mast stand is in
6 the stored position.
- 1 4. The mast stand of Claim 3 wherein each said bracket member comprises a
2 substantially flat plate including a coplanar coupling protrusion on the upper
3 end portion thereof having a coupling aperture formed therethrough to

4 receive an upper coupling member to pivotally couple the upper portion of the
5 corresponding leg member between the corresponding pair of substantially
6 parallel spaced apart bracket members of the corresponding connector
7 bracket and a guide or slot formed through said substantially flat plate to
8 slidably receive a bracket coupling member therethrough connected to one
9 end portion of a leg/bracket interconnecting member having the opposite end
10 portion thereof pivotally coupled to a corresponding leg member by a lower
11 leg coupling member in spaced relationship below the corresponding upper
12 coupling member.

1 5. The mast stand of Claim 4 wherein the distance between said upper coupling
2 member and said corresponding lower leg coupling member is greater than
3 the length of said corresponding leg/bracket coupling member.

1 6. The mast stand of Claim 5 wherein the length of said corresponding
2 leg/bracket coupling member is greater than the length of the corresponding
3 guide or slot.

1 7. The mast stand of Claim 4 further including an end cap selectively mounted to
2 the end portion of said mast support to support and retain the lower portion
3 of the lower most mast section therein when said mast stand and the multi-
4 section mast are assembled and deployed.

1 8. The mast stand of Claim 4 wherein each said leg member comprises a
2 plurality of leg member sections disposed end to end such that the distance

3 between said mast support and the ground or other support surface is greater
4 than the length of the lower mast sections to allow assembling of the multi-
5 section mast from below said mast support by inserting successive mast
6 sections into said substantially cylindrical elongated mast receiving channel.

1 9. A mast support to support a multi-section mast comprising a mast support
2 having a plurality of connector brackets thereon and a correspondingly
3 plurality of support legs each pivotally coupled to the corresponding connector
4 bracket and slidably coupled to the corresponding connector bracket to permit
5 said support legs to be selectively moved between a stored and deployed
6 position and to advance successive mast sections through said mast support
7 from beneath or below said mast support.

1 10. The mast stand of Claim 9 wherein said mast support comprises a plurality of
2 substantially flat outer surfaces corresponding to a said plurality of connector
3 brackets having an elongated mast receiving channel to receive and support a
4 portion of the multi-section mast therein.

1 11. The mast stand of Claim 10 wherein each said connect bracket comprises a
2 pair of substantially parallel spaced apart bracket members extending
3 outwardly from a correspondingly substantially flat outer surface to
4 cooperatively form a leg receiving channel therebetween to selectively receive
5 a portion of a corresponding leg member therein when said mast stand is in
6 the stored position.

1 12. The mast stand of Claim 11 wherein each said bracket member comprises a
2 substantially flat plate including a coplanar coupling protrusion on the upper
3 end portion thereof having a coupling aperture formed therethrough to
4 receive an upper coupling member to pivotally couple the upper portion of the
5 corresponding leg member between the corresponding pair of substantially
6 parallel spaced apart bracket members of the corresponding connector
7 bracket and a guide or slot formed through said substantially flat plate to
8 slidably receive a bracket coupling member therethrough connected to one
9 end portion of a leg/bracket interconnecting member having the opposite end
10 portion thereof pivotally coupled to a corresponding leg member by a lower
11 leg coupling member in spaced relationship below the corresponding upper
12 coupling member.

1 13. The mast stand of Claim 12 wherein the distance between said upper coupling
2 member and said corresponding lower leg coupling member is greater than
3 the length of said corresponding leg/bracket coupling member.

1 14. The mast stand of Claim 13 wherein the length of said corresponding
2 leg/bracket coupling member is greater than the length of the corresponding
3 guide or slot.

1 15. The mast stand of Claim 12 further including an end cap selectively mounted
2 to the end portion of said mast support to support and retain the lower
3 portion of the lower most mast section therein when said mast stand and the
4 multi-section mast are assembled and deployed.

- 1 16. The mast stand of Claim 12 wherein each said leg member comprises a
2 plurality of leg member sections disposed end to end such that the distance
3 between said mast support and the ground or other support surface is greater
4 than the length of the lower mast sections to allow erecting or assembling of
5 the multi-section mast from below said mast support by inserting successive
6 mast sections into said substantially cylindrical elongated mast receiving
7 channel.
- 1 17. The mast stand of Claim 9 wherein said mast support comprises a sleeve
2 having an elongated mast receiving channel formed therethrough to receive
3 and support a portion of the multi-section mast therein.
- 1 18. The mast stand of Claim 17 wherein each said connect bracket comprises at
2 least one bracket member extending outwardly from said sleeve to selectively
3 receive a portion of a corresponding leg member therein when said mast
4 stand is in the stored position.
- 1 19. The mast stand of Claim 18 wherein each said bracket member comprises a
2 plate including a coupling aperture formed therethrough to receive an upper
3 coupling member to pivotally couple the upper portion of the corresponding
4 leg member between the corresponding bracket member and a guide of slot
5 formed through said plate to slidingly receive a bracket coupling member
6 therethrough connected to one end portion of a leg/bracket interconnecting
7 member having the opposite end portion thereof pivotally coupled to a

8 corresponding leg member by a lower leg coupling member in spaced
9 relationship below the corresponding upper coupling member.

1 20. The mast stand of Claim 19 wherein the distance between said upper coupling
2 member and said corresponding lower leg coupling member is greater than
3 the length of said corresponding leg/bracket coupling member.

1 21. The mast stand of Claim 20 wherein the length of said corresponding
2 leg/bracket coupling member is greater than the length of the corresponding
3 guide or slot.

1 22. The mast stand of Claim 18 further including an end cap selectively mounted
2 to the end portion of said mast support to support and retain the lower
3 portion of the lower most mast section therein when said mast stand and the
4 multi-section mast are assembled and deployed.

1 23. The mast stand of Claim 22 wherein each said leg member comprises a
2 plurality of leg member sections disposed end to end such that the distance
3 between said mast support and the ground or other support surface is greater
4 than the length of the lower mast sections to allow erecting or assembling of
5 the multi-section mast from below said mast support by inserting successive
6 mast sections into said substantially cylindrical elongated mast receiving
7 channel.